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File: USPT

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US-PAT-NO: 6153428

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TITLE: .alpha.(1,3) galactosyltransferase negative porcine cells

DATE-ISSUED: November 28, 2000

INVENTOR-INFORMATION:

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US-CL-CURRENT: 435/325; 424/93.21, 435/320.1

CLAIMS:

What is claimed is:

1. Porcine cells, in vitro, said cells comprising a disrupted .alpha.(1,3)-galactosyltransferase gene encoding the polypeptide of SEQ.ID.NO:1, whereby expression of functional .alpha.(1,3)-galactosyltransferase is inhibited.
2. The cells of claim 1 wherein said gene is disrupted by homologous recombination.
3. The cells of claim 1 wherein the Gal.alpha.1-3 Gal.alpha.1-4 GlcNAc epitope is not presented on the cell surface.
4. A process for producing a modified porcine cell, comprising:
treating a porcine cell, in vitro, said treating introducing a disruption into the .alpha.(1,3)-galactosyltransferase gene encoding the polypeptide of SEQ.ID.NO:1, whereby expression of functional .alpha.(1,3)-galactosyltransferase is inhibited.
5. The process of claim 4 wherein said gene is disrupted by homologous recombination.